

**Notice of Allowability**

Application No.

09/805,991

Applicant(s)

SAKAMOTO ET AL.

Examiner

Art Unit

Roberta Prendergast

2628

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/18/2007.
2. ☒ The allowed claim(s) is/are 15,16,20,35,36,40,45,52,70 and 72.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

Examiner acknowledges the substitute specification filed 1/26/2007, which overcomes the objection to the drawings, and therefore the objection to the drawings is hereby withdrawn.

### ***Allowable Subject Matter***

Claims 63, 64, 66 and 68 are canceled.

Claims 15, 16, 20, 35, 36, 40, 45, 52, 70, and 72 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 15, cited prior art does not teach a map display device for converting externally provided communications information into an applicable object model for arrangement on a map image comprising: an input part for receiving an instruction from a user; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information

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and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part; and a time information storage part for storing time information corresponding to a position of a mobile unit which moves according to a schedule on a predetermined route, wherein the map data arranging part refers to the time information to create the at least one object model to correspond to the mobile unit for arrangement on the map image.

Claim 16 is allowed because it depends on claim 15.

Regarding claim 20, cited prior art does not teach a map display device for converting externally provided communications information into an applicable object model for arrangement on a map image comprising: an input part for receiving an instruction from a user; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on

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the map image based on the communications information; a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part; and a ticket information storage part for storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein said map data arranging part generates the ticket information stored in said ticket information storage part when the ticket is purchased, the ticket information includes information about an expiration date of the ticket, and said map data arranging part refers to the information about the expiration date of the ticket, and if the expiration date is approaching, creates a message for display on said display part.

Regarding claim 35, cited prior art does not teach a navigation device for converting externally provided communications information into an applicable object model for arrangement on a map image, and providing guidance to a destination, said navigation device comprising: an input part for receiving an instruction from a user; a position detection part for detecting a current position; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a route selection part for selecting a route to the destination based on the instruction provided by said input part, the current position detected by said position detection part, and the map data stored in said map data storage part; a communications part for receiving the communications information, the communications

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information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a guiding part for providing the guidance to the destination in response to the communications information received by said communications part, the route selected by said route selection part, the current position detected by said position detection part, and the map data provided by said map data storage part and outputting a resultant map image including the map image and the at least one object model obtained by said map data arranging part; a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part; a time information storage part for storing time information corresponding to a position of a mobile unit which moves according to a schedule on a predetermined route, wherein said map data arranging part refers to the time information to create the at least one object model to correspond to the mobile unit for arrangement on the map image.

Claim 36 is allowed because it depends on claim 35.

Regarding claim 40, cited prior art does not teach a navigation device for converting externally provided communications information into an applicable object model for arrangement on a map image, and providing guidance to a destination, said navigation device comprising: an input part for receiving an instruction from a user; a position detection part for detecting a current position; a map data storage part for

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storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a route selection part for selecting a route to the destination based on the instruction provided by said input part, the current position detected by said position detection part, and the map data stored in said map data storage part; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a guiding part for providing the guidance to the destination in response to the communications information received by said communications part, the route selected by said route selection part, the current position detected by said position detection part, and the map data provided by said map data storage part and outputting a resultant map image including the map image and the at least one object model obtained by said map data arranging part; a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part; and a ticket information storage part for storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein said guiding part generates the ticket information stored in said ticket information storage part when the ticket is purchased,

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the ticket information includes information about an expiration date of the ticket, and said map data arranging part refers to the information about the expiration date of the ticket, and if the expiration date is approaching, creates a message for display on said display part.

Regarding claim 45, cited prior art does not teach a navigation device for converting externally provided communications information into an applicable object model for arrangement on a map image, and providing guidance to a destination, said navigation device comprising: an input part for receiving an instruction from a user; a position detection part for detecting a current position; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a route selection part for selecting a route to the destination based on the instruction provided by said input part, the current position detected by said position detection part, and the map data stored in said map data storage part; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a guiding part for providing the guidance to the destination in response to the communications information received

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by said communications part, the route selected by said route selection part, the current position detected by said position detection part, and the map data provided by said map data storage part and outputting a resultant map image including the map image and the at least one object model obtained by said map data arranging part; and a display part for displaying the resultant map image outputted from said guiding part, wherein said communications part receives the communications information including position information about any available vehicles moving according to a schedule on predetermined routes, and when the user desires to take one of the available vehicles, transmits selected vehicle information including information for specifying which of the available vehicles the user desires to take, said guiding part generates the selected vehicle information when the user desires to take one of the available vehicles, and said guiding part compares, at least, the predetermined routes on which the available vehicles move with the route to the destination selected by said route selection part, and determines whether the available vehicles are appropriate.

Regarding claim 52, cited prior art does not teach a map display method for converting externally provided communications information into an applicable object model for arrangement on a map image comprising an input process of receiving an instruction from a user; a communications process of receiving the communications information, the communication information including information which varies in real time; a map data arranging process of creating at least one object model having a shape which allows the user to understand content of the communications information by interpreting the communications information and corresponding object model display



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information for displaying the at least one object model at a position on the map image based on the communications information; and a display process of displaying a resultant map image including the map image and the at least one object model obtained in said map data arranging process, wherein said map data arranging process comprises creating the at least one object model corresponding to a mobile unit for arrangement on the map image by referring to time information corresponding to a position of the mobile unit moving on a predetermined route according to a schedule.

Regarding claim 70, cited prior art does not teach a map display device for converting externally provided communications information into an applicable object model for arrangement on a map image comprising: an input part for receiving an instruction from a user; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a display part for displaying a resultant map image including the map image and the at least one object model obtained by said map data arranging part; and a ticket information storage part for

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storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein said map data arranging part generates the ticket information stored in said ticket information storage part when the ticket is purchased, and said map data arranging part changes the communications information based on the ticket information.

Regarding claim 72, cited prior art does not teach a navigation device for converting externally provided communications information into an applicable object model for arrangement on a map image, and providing guidance to a destination, said navigation device comprising: an input part for receiving an instruction from a user; a position detection part for detecting a current position; a map data storage part for storing map data; an object model display information storage part for storing object model display information for displaying at least one object model having a shape which allows the user to understand content of the communications information on the map image; a route selection part for selecting a route to the destination based on the instruction provided by said input part, the current position detected by said position detection part, and the map data stored in said map data storage part; a communications part for receiving the communications information, the communications information including information which varies in real time; a map data arranging part for creating the at least one object model by interpreting the communications information and the object model display information provided by said object model display information storage part, and arranging the at least one object model at a position on the map image based on the communications information; a guiding part for providing

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the guidance to the destination in response to the communications information received by said communications part, the route selected by said route selection part, the current position detected by said position detection part, and the map data provided by said map data storage part and outputting a resultant map image including the map image and the at least one object model obtained by said map data arranging part; a display part for displaying the resultant map image outputted from said guiding part; and a ticket information storage part for storing ticket information corresponding to a ticket used for paying a fare for a predetermined chargeable section, wherein said map data arranging part generates the ticket information stored in said ticket information storage part when the ticket is purchased, wherein said guiding part generates the ticket information stored in said ticket information storage part when the ticket is purchased, and said guiding part changes the communications information based on the ticket information.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberta Prendergast whose telephone number is (571) 272-7647. The examiner can normally be reached on M-F 7:00-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ulka Chauhan can be reached on (571) 272-7782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RP 1/29/2007

  
ULKA CHAUHAN  
SUPERVISORY PATENT EXAMINER